

Datasheet for 200-301-GZ6S**MEK1 phosphoS222/MEK2 phosphoS226 Antibody****Overview**

Description:	Anti-MEK1 pS222/MEK2 pS226 (MOUSE) Monoclonal Antibody - 200-301-GZ6S
Item No.:	200-301-GZ6S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	MEK1 pS222/MEK2 pS226 antibody detects MEK1 and MEK2. Mitogen-activated protein kinase kinase 1, (also known as MKK or MEK1), and Mitogen-activated protein kinase kinase 2, (also known as MEK2 or MKK2), are integral components of the MAP kinase cascade that regulates cell growth and differentiation. This pathway also plays a key role in synaptic plasticity in the brain. Activated MEK 1 and 2 acts as a dual specificity kinase phosphorylating both a threonine and a tyrosine residue on MAP kinase. The MEK1 antibody is ideal for investigators involved in Neuroscience, Cell Signaling and Cancer Research.
Synonyms:	mouse anti-MEK1 pS222/MEK2 pS226 Antibody, MAP2K, MEK, MEK1, MKK1, PRKMK1, MEK-1 Antibody, MAP2K2, MEK2, MKK2, PRKMK2, CFC4, MEK-2 Antibody, MEK1 and MEK2 antibody, phosphor MEK1/2
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	17C9.E1.H2.D7.H7.D5
Format:	IgG

Target Details

Gene Name:	MAP2K1/MAP2K2
Reactivity:	Human, Mouse, Rat
PTM Specificity:	Phosphorylation

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-MEK1 pS222/MEK2 pS226 Monoclonal Antibody was produced in mice by repeated immunizations with synthetic peptide corresponding to amino acid residues surrounding the S222-226 phosphorylation site conjugated to KLH.
Purity/Specificity:	This protein A purified mouse monoclonal antibody specifically binds to the human MEK1 pS222 and MEK2 pS226 phosphorylated sites. Anti-MEK1 pS222/MEK2 pS226 is purified from tissue culture supernatant by protein A purification. Cross reactivity is expected to occur with human, mouse, and rat based on sequence identity of the peptide immunogen.
Relevant Links:	• UniProtKB - Q02750

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-MEK1 pS222/MEK2 pS226 (MOUSE) antibody has been tested in ELISA and Western Blot. Specific conditions of reactivity should be optimized by the end user. Expect a band of approximately 43.5 kDa.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:40,000
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.